

Acetylcholine facilitates localized synaptic potentiation and location specific feature binding

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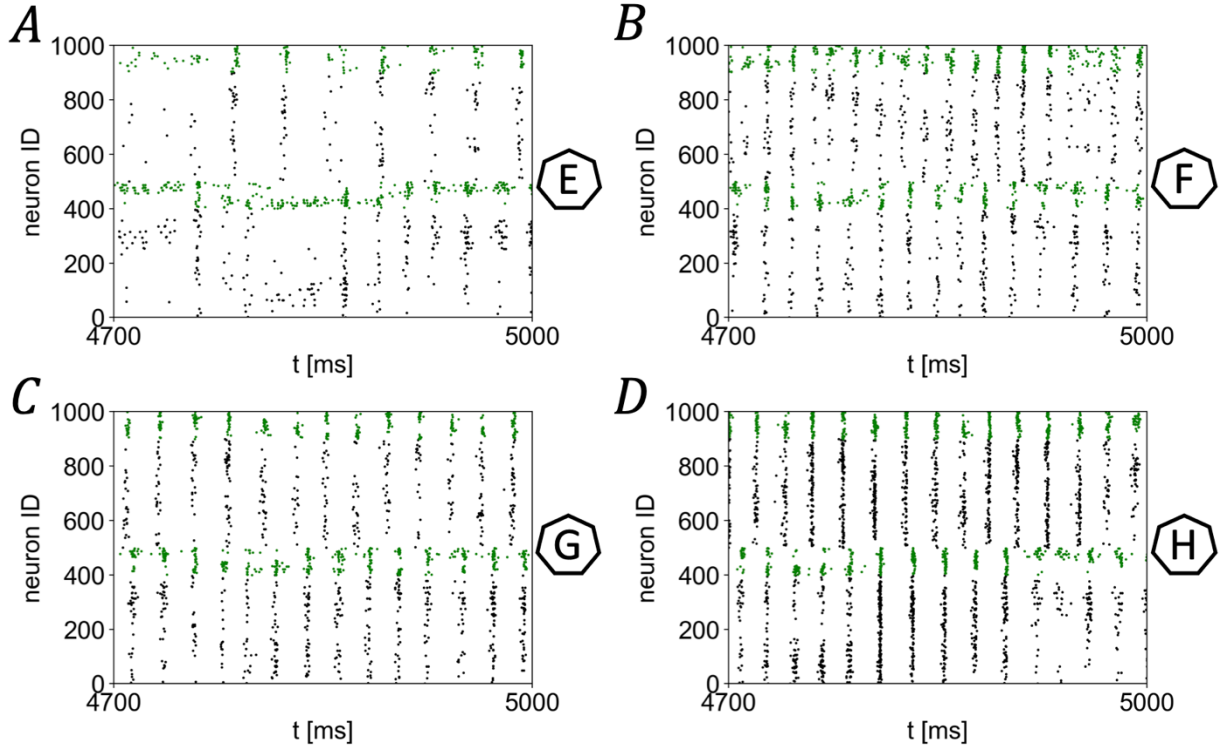
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Supplemental Figure 1



Supplementary Figure 1. **Network dynamics in the absence of plasticity.** (A-D) Raster plots (black: E-cells; green: I-cells) of 300 ms for the example cases E, F, G, H with 5 Hz noise as in the results shown in the 3rd column of Figure 3 E,F,G,H, except without STDP. The g_{Ks} level and DC input for module 2 are fixed at $g_{Ks}=0.6$ mS/cm² and DC=2.0 μ A/cm², respectively. (A) The g_{Ks} level and DC input for module 1 are 0.3 mS/cm² and 0.5 μ A/cm². (B) The g_{Ks} level and DC input for module 1 are 0.6 mS/cm² and 3.0 μ A/cm² respectively. (C) The g_{Ks} level and DC input for module 1 are 1.2 mS/cm² and 2.0 μ A/cm² respectively. (D) The g_{Ks} level and DC input for module 1 are 1.2 mS/cm² and 3.5 μ A/cm² respectively.